

Dev. & DP.
permit for
34 AC. expansion

217/782-6762

EPA Region 5 Records Ctr.

Refer to: 04380301 -- DuPage County
Lisle Twp/Greene Valley Landfill II
Permit No. 1974-30-DE
Permit Number 1984-13-SP



334682

FEB 21 1984

February 15, 1984

OPERATOR

Waste Management of Illinois, Inc.
3003 Butterfield Road
Oak Brook, Illinois 60521

OWNER

Forest Preserve District of
DuPage County
P.O. Box 2339
Glen Ellyn, Illinois 60137

Gentlemen:

Supplemental Permit is hereby granted to the Forest Preserve District of DuPage County as owner, and to Waste Management of Illinois, Inc. as operator to modify development of the above referenced solid waste disposal site. The modification is to develop a 34.740 acre expansion, single hill concept. The site consists of 34.740 acres located in the south 1/2 of Section 34, Township 38 North, Range 10 East of the Third Principal Meridian in Lisle Township, DuPage County, more particularly described in the attachment hereto and made a part hereof. This permit is to handle general municipal waste and special waste, but excluding hazardous waste, all in accordance with the application and plans consisting of the following:

The application for permit, dated November 23, 1983 and received by this Agency on December 6, 1983 consists of a cover letter, the application form, a loose leaf notebook entitled, "Greene Valley Landfill II, DuPage County, Illinois, application for development permit for thirty-five acres expansion single hill concept", and a set of plans entitled, "Greene Valley Landfill II, DuPage County, Illinois". The plans consists of a cover sheet and 13 numbered sheets dated April 23, 1982. The application notebook consists of the following sections:

1. Site Background - 1 page
2. IEPA permit application form - 10 pages
3. Permit application narrative - 16 pages
4. Appendix A - Romeoville Quadrangle - 1 sheet
5. Appendix B - 35 acre legal description - 1 sheet
6. Appendix C - EMC Associates - "Geotechnical and Groundwater Study - 59 pages
7. Appendix D - Patrick Engineering - "Geotechnical conditions and recommendations for design" - 25 pages
8. Testing Corporation's Site Soil Boring - 134 pages



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9. Greene Valley II Quarter Size Plan - cover sheet plus 13 sheets
10. Resolution F - 199-82 of the DuPage County Board dated November 16, 1982, approving the site location consists of 2 pages and an 8 page attachment.
11. The county clerk's certification - 1 page
12. A special waste legal opinion - 1 page

The permit is issued subject to the standard conditions attached hereto, and incorporated herein by reference, and further subject to the following special conditions:

1. This is a permit to develop, this is not an operating permit. An application for an operating permit may be submitted after the site has been developed.
2. Prior to obtaining an Operating Permit for the 34.740 acres a registered professional engineer shall certify that for the first 175' wide by 800' long area has:
 - a. at least ten feet of clay with a maximum permeability of 1×10^{-7} cm/sec and minimum of 95% Standard Proctor density is present in the bottom and sidewalls of the Area. All probe logs for the subject Area shall accompany this certification;
 - b. that any permeable layers encountered have been over-excavated and sealed with at least ten feet of clay with maximum permeability of 1×10^{-7} cm/sec and minimum of 95% standard Proctor density;
 - c. that all probe holes have been sealed with a clay auger cuttings -- bentonite mixture;
 - d. dimensions, permeabilities and densities of the current progression of the perimeter berm,
 - e. certification shall be accompanied by 1) a plan sheet showing the location and dimensions of the area and the locations of the soil test sample locations and 2) test results of a and b above.
3. Unless modified by supplemental permit, refuse shall be placed at the top of the working face and pushed downhill only during placement of the first lift, the last lift, and severe weather conditions. When depositing waste at the top of the slope, additional passes by the compactor over the spread refuse shall be made to achieve the same compaction as results from pushing uphill.
4. Berms and liners shall at all times be maintained 2 to 3 feet higher than the refuse level.



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5. Prior to the placement of refuse in each new subarea, the DLPC Regional Office in Maywood, telephone 312/345-9780, shall be contacted in order to schedule an inspection of the subsurface features of the site as built, (e.g., leachate lines, and appurtenances, clay barriers, berms, gas vents, etc.), and that each new subarea shall meet the requirements of condition #2. All subsurface installations shall be inspected by this Agency and the permittee shall notify this Agency at least ten working days prior to the required inspection.
6. Prior to the issuance of an operating permit, a ground water monitoring program for the entire site shall be submitted to and approved by the Agency.
7. The best available technology (mufflers, berms, and other sound shielding devices) shall be employed to minimize equipment noise impacts on property adjacent to the site during both development and operation.
8. No special wastes shall be received at the site for disposal unless a supplemental permit has been received from the Agency for each special waste.
9. This Agency reserves the right to require installation of additional monitoring devices, to alter the selection of parameters to be analyzed and to alter monitoring frequencies as may be necessary to fulfill the intent of the environmental protection act.
10. Site surface drainage during development, during operation and after the site is closed shall be such that no adverse effects are encountered by adjacent property owners.
11. This permit is subject to review and modification by the Agency as deemed necessary to fulfill the intent and purpose of the Environmental Protection Act and all applicable environmental rules and regulations.
12. In case of conflict between the application plans and documents and these special conditions, the special conditions shall govern.
13. All certifications, logs, data on any soil construction or reports which are required to be submitted to the Agency by the permittee should be mailed to the following address:

Illinois Environmental Protection Agency
Compliance Monitoring Section
Division of Land Pollution Control
2200 Churchill Road
Springfield, Illinois 62706

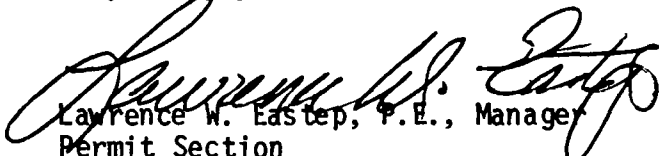


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14. This permit is issued with the expressed understanding that no process discharge to Waters of the State or to a sanitary sewer will occur from these facilities. If such discharge occurs, additional or alternate facilities shall be provided. The construction of such additional or alternate facilities may not be started until a permit for their construction has been issued by the Agency.
15. Special wastes received at the site shall be transported to the facility utilizing the Agency's supplemental permit system and manifest system.
16. Prior to issuance of an operating permit, a leachate management program shall be submitted to the Agency for review and approval. This program must address how leachate will be managed after the facility ceases operation.

Except as modified in the above documents, the site shall be operated in accordance with the terms and conditions of permit number 1974-30-DE issued May 7, 1974.

Very truly yours,


Lawrence W. Eastep, P.E., Manager
Permit Section
Division of Land Pollution Control

LWE:WKE:bjh/0266D/22,24

cc: Compliance Monitoring Section
Maywood Region
Division File